

Gregory, Bernarr

From: PLUS
Sent: Thursday, February 10, 2005 2:07 PM
To: Gregory, Bernarr
Subject: PLUS Results for 10840014

Here are the PLUS search results for 10840014.

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10840014_QUAL.txt



10840014_LIST.txt



10840014_WEST.txt



10840014_EAST.txt



10840014.east



10840014_CLS.txt



10840014_CLSTITLES.t

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10840014_WDS.txt

10840014_QUAL

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PLUS Search Results for S/N 10840014, Searched February 10, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10840014_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 10840014 on February 10, 2005

Original Classifications

12	343/700MS
7	342/25R
4	343/702
4	343/713
4	348/706
3	250/342
3	342/22
3	343/708
3	343/895
3	600/422
2	52/40
2	200/19.4
2	219/713
2	219/749
2	333/12
2	342/16
2	342/20
2	342/359
2	342/365
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2	348/732
2	399/111
2	399/90
2	430/572
2	455/67.11
2	600/407
2	600/411
2	600/430
2	607/36
2	607/50

2 715/721

Cross-Reference Classifications

6 343/895
 5 342/196
 4 250/332
 4 324/318
 4 343/720
 4 343/795
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 3 333/185
 3 342/195
 3 342/25A
 3 343/700MS
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Combined Classifications

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2 715/721

10840014_CLS

2 725/40
2 725/44
2 725/45
2 725/56

10840014_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10840014 on February 10, 2005

15	343/700MS	(12 OR, 3 XR)	
	Class 343 :	COMMUNICATIONS:	RADIO WAVE ANTENNAS
	343/700R	ANTENNAS	
	343/700MS	.Microstrip	
9	343/895	(3 OR, 6 XR)	
	Class 343 :	COMMUNICATIONS:	RADIO WAVE ANTENNAS
	343/700R	ANTENNAS	
	343/895	.Spiral or helical type	
7	342/25R	(7 OR, 0 XR)	
	Class 342 :	COMMUNICATIONS:	DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/25R	SYNTHETIC APERTURE RADAR	
6	343/702	(4 OR, 2 XR)	
	Class 343 :	COMMUNICATIONS:	RADIO WAVE ANTENNAS
	343/700R	ANTENNAS	
	343/702	.With radio cabinet	
6	343/713	(4 OR, 2 XR)	
	Class 343 :	COMMUNICATIONS:	RADIO WAVE ANTENNAS
	343/700R	ANTENNAS	
	343/711	.With vehicle	
	343/713	..Supported by vehicle body	
6	343/795	(2 OR, 4 XR)	
	Class 343 :	COMMUNICATIONS:	RADIO WAVE ANTENNAS
	343/700R	ANTENNAS	
	343/793	.Balanced doublet - centered (e.g., dipole)	
	343/795	..Sheet or wing type	
5	324/318	(1 OR, 4 XR)	
	Class 324 :	ELECTRICITY:	MEASURING AND TESTING
	324/300	PARTICLE PRECESSION RESONANCE	
	324/318	.Spectrometer components	
5	342/196	(0 OR, 5 XR)	
	Class 342 :	COMMUNICATIONS:	DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
	342/175	WITH PARTICULAR CIRCUIT	
	342/195	.Digital processing	
	342/196	..Fast fourier transform (FFT)	

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- 5 343/909 (2 OR, 3 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/907 .Antenna components
 - 343/909 ..Refracting means and radio wave energy filters (e.g., lenses and polarizers)
- 5 348/706 (4 OR, 1 XR)
 - Class 348 : TELEVISION
 - 348/609 ...Reduction of chrominance luminance cross-talk (e.g., precomb)
 - 348/705 .Switching
 - 348/706 ..receiver type
- 4 250/332 (0 OR, 4 XR)
 - Class 250 : RADIANT ENERGY
 - 250/330 INFRARED-TO-VISIBLE IMAGING
 - 250/332 .Including detector array
- 4 342/372 (2 OR, 2 XR)
 - Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES
 - 342/350 DIRECTIVE
 - 342/368 .Including a steerable array
 - 342/371 ..With electronic scanning
 - 342/372 ...Controlled
- 4 343/703 (2 OR, 2 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/703 .Measuring signal energy
- 4 343/708 (3 OR, 1 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/705 .With aircraft
 - 343/708 ..Aircraft part of active antenna or vice vers
- a
- 4 343/715 (1 OR, 3 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/711 .With vehicle
 - 343/713 ..Supported by vehicle body
 - 343/715 ...Rod type

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- 4 343/720 (0 OR, 4 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/720 .Combined with diverse-type art device

- 4 343/771 (2 OR, 2 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/767 .Slot type
 - 343/770 ..Plural
 - 343/771 ...With wave guide coupling

- 4 343/840 (2 OR, 2 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/834 .Antenna with parasitic reflector
 - 343/840 ..Parabolic-type reflector with active antenna at focus

- 4 343/846 (1 OR, 3 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/846 .With grounding structure (including counterpoises)

- 4 343/915 (2 OR, 2 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/907 .Antenna components
 - 343/912 ..Reflector or director
 - 343/915 ...Collapsible, foldable or adjustable

- 4 399/111 (2 OR, 2 XR)
 - Class 399 : ELECTROPHOTOGRAPHY
 - 399/107 HAVING PARTICULAR STRUCTURE
 - 399/110 .Modular or displaceable
 - 399/111 ..Process cartridge unit

- 4 725/68 (0 OR, 4 XR)
 - Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
 - 725/63 SATELLITE VIDEO DISTRIBUTION SYSTEM
 - 725/68 .Receiver

- 3 219/749 (2 OR, 1 XR)
 - Class 219 : ELECTRIC HEATING
 - 219/678 MICROWAVE HEATING
 - 219/745 .Field modification
 - 219/746 ..With power feed structure

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219/748 ...Radiator (e.g., antenna, etc.)
219/749Rotating

3 250/342 (3 OR, 0 XR)
Class 250 : RADIANT ENERGY
250/336.1 INVISIBLE RADIANT ENERGY RESPONSIVE ELECTRIC
SIGNALLING
250/338.1 .Infrared responsive
250/340 ..Methods
250/342 ...Locating infrared emissive objects

3 333/12 (2 OR, 1 XR)
Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
333/12 TRANSMISSION LINE INDUCTIVE OR RADIATION
INTERFERENCE REDUCTION SYSTEMS

3 333/185 (0 OR, 3 XR)
Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
333/24R COUPLING NETWORKS
333/167 .Frequency domain filters utilizing only lumped

d

parameters
333/185 ..Having significant physical structure

3 340/539.1 (1 OR, 2 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/500 CONDITION RESPONSIVE INDICATING SYSTEM
340/531 .With particular coupling link
340/539.1 ..Radio

3 342/195 (0 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/175 WITH PARTICULAR CIRCUIT
342/195 .Digital processing

3 342/22 (3 OR, 0 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/22 TRANSMISSION THROUGH MEDIA OTHER THAN AIR OR
FREE SPACE

3 342/25A (0 OR, 3 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/25R SYNTHETIC APERTURE RADAR
342/25A .Mapping or imaging using synthetic aperture
radar

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- 3 342/352 (1 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/352 .Including a satellite

- 3 342/359 (2 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/359 .Including antenna orientation

- 3 342/368 (2 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/368 .Including a steerable array

- 3 343/705 (0 OR, 3 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/705 .With aircraft

- 3 343/744 (1 OR, 2 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/741 .High frequency type loops
 343/744 ..With series reactance in loop

- 3 343/769 (1 OR, 2 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/767 .Slot type
 343/769 ..Ring-shaped slot

- 3 343/786 (1 OR, 2 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/772 .Wave guide type (e.g., horn)
 343/786 ..With horn

- 3 343/860 (1 OR, 2 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/850 .With coupling network or impedance in the
 leadin
 343/860 ..Impedance matching network

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- 3 343/872 (1 OR, 2 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/872 .With housing or protective covering
- 3 343/873 (2 OR, 1 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/872 .With housing or protective covering
 - 343/873 ..Antenna embedded, potted, or coated
- 3 343/876 (0 OR, 3 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/876 .Switching between antennas and lines
- 3 348/563 (0 OR, 3 XR)
 - Class 348 : TELEVISION
 - 348/553 BASIC RECEIVER WITH ADDITIONAL FUNCTION
 - 348/563 .For display of additional information
- 3 430/572 (2 OR, 1 XR)
 - Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS, COMPOSITION, OR PRODUCT THEREOF
 - 430/495.1 RADIATION SENSITIVE PRODUCT
 - 430/564 .Silver compound sensitizer containing
 - 430/570 ..Spectral sensitizing
 - 430/572 ...Multiple sensitizers or supersensitizing
- 3 430/574 (1 OR, 2 XR)
 - Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS, COMPOSITION, OR PRODUCT THEREOF
 - 430/495.1 RADIATION SENSITIVE PRODUCT
 - 430/564 .Silver compound sensitizer containing
 - 430/570 ..Spectral sensitizing
 - 430/572 ...Multiple sensitizers or supersensitizing
 - 430/574Two or more cyanine sensitizers
- 3 430/577 (0 OR, 3 XR)
 - Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS, COMPOSITION, OR PRODUCT THEREOF
 - 430/495.1 RADIATION SENSITIVE PRODUCT
 - 430/564 .Silver compound sensitizer containing
 - 430/570 ..Spectral sensitizing
 - 430/572 ...Multiple sensitizers or supersensitizing
 - 430/576Cyanine sensitizer
 - 430/577Merocyanine compound

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3 430/583 (0 OR, 3 XR)

Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS,
COMPOSITION, OR PRODUCT THEREOF

430/495.1 RADIATION SENSITIVE PRODUCT

430/564 .Silver compound sensitizer containing

430/570 ..Spectral sensitizing

430/581 ...Cyanine sensitizer

430/583Containing odd number of methine groups

3 430/584 (0 OR, 3 XR)

Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS,
COMPOSITION, OR PRODUCT THEREOF

430/495.1 RADIATION SENSITIVE PRODUCT

430/564 .Silver compound sensitizer containing

430/570 ..Spectral sensitizing

430/581 ...Cyanine sensitizer

430/583Containing odd number of methine groups

430/584Five or more methine groups

3 455/277.1 (0 OR, 3 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER

455/269 .With wave collector (e.g., antenna)

455/272 ..Plural separate collectors

455/277.1 ...Selectively or alternately connected to
receiver

3 455/67.11 (2 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS

455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/67.11 .Having measuring, testing, or monitoring of
system or part

3 600/422 (3 OR, 0 XR)

Class 600 : SURGERY

600/300 DIAGNOSTIC TESTING

600/407 .Detecting nuclear, electromagnetic, or
ultrasonic radiation

600/410 ..Magnetic resonance imaging or spectroscopy

600/421 ...Including any system component contacting
(internal or external) or conforming to bo

dy or body part

600/422Coil

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- 2 52/40 (2 OR, 0 XR)
 Class 052 : STATIC STRUCTURES
 52/27 INCLUDING COMPONENT (E.G., WALL) DESIGNED TO
 RECEIVE A DISPARATE ARTICLE HAVING DISPARA
 TE ARTICLE
 MOUNTED THERETO
 52/40 .On shaft or tower
- 2 99/DIG 14 (0 OR, 2 XR)
 Class 099 : FOODS AND BEVERAGES: APPARATUS
 99/DIG 14 Induction heating
- 2 102/214 (1 OR, 1 XR)
 Class 102 : AMMUNITION AND EXPLOSIVES
 102/200 IGNITING DEVICES AND SYSTEMS
 102/206 .Ignition or detonation circuit
 102/211 ..Proximity fuze
 102/214 ...Radio wave
- 2 123/633 (0 OR, 2 XR)
 Class 123 : INTERNAL-COMBUSTION ENGINES
 123/594 HIGH TENSION IGNITION SYSTEM
 123/633 .Radio interference protection
- 2 200/19.4 (2 OR, 0 XR)
 Class 200 : ELECTRICITY: CIRCUIT MAKERS AND BREAKERS
 200/19.01 PERIODIC
 200/19.39 .Distributor
 200/19.4 ..With noise preventing means
- 2 219/516 (0 OR, 2 XR)
 Class 219 : ELECTRIC HEATING
 219/260 .Resistive element: igniter type
 219/507 .With current connection and/or disconnection
 means (e.g., switch)
 219/509 ..Automatically operated
 219/510 ...Thermally responsive
 219/516Insertable into or in direct contact with
 heated material
- 2 219/713 (2 OR, 0 XR)
 Class 219 : ELECTRIC HEATING
 219/678 MICROWAVE HEATING
 219/702 .With control system
 219/704 ..Load condition sensor
 219/710 ...Temperature
 219/712Probe
 219/713Wireless type

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- 2 219/748 (1 OR, 1 XR)
 - Class 219 : ELECTRIC HEATING
 - 219/678 MICROWAVE HEATING
 - 219/745 .Field modification
 - 219/746 ..With power feed structure
 - 219/748 ...Radiator (e.g., antenna, etc.)
- 2 235/380 (1 OR, 1 XR)
 - Class 235 : REGISTERS
 - 235/375 SYSTEMS CONTROLLED BY DATA BEARING RECORDS
 - 235/380 .Credit or identification card systems
- 2 324/307 (1 OR, 1 XR)
 - Class 324 : ELECTRICITY: MEASURING AND TESTING
 - 324/300 PARTICLE PRECESSION RESONANCE
 - 324/307 .Using a nuclear resonance spectrometer system
- 2 324/309 (0 OR, 2 XR)
 - Class 324 : ELECTRICITY: MEASURING AND TESTING
 - 324/300 PARTICLE PRECESSION RESONANCE
 - 324/307 .Using a nuclear resonance spectrometer system
 - 324/309 ..To obtain localized resonance within a sampl
- 2 324/322 (0 OR, 2 XR)
 - Class 324 : ELECTRICITY: MEASURING AND TESTING
 - 324/300 PARTICLE PRECESSION RESONANCE
 - 324/318 .Spectrometer components
 - 324/322 ..Electronic circuit elements
- 2 324/72 (0 OR, 2 XR)
 - Class 324 : ELECTRICITY: MEASURING AND TESTING
 - 324/72 TESTING POTENTIAL IN SPECIFIC ENVIRONMENT
(E.G., LIGHTNING STROKE)
- 2 324/95 (1 OR, 1 XR)
 - Class 324 : ELECTRICITY: MEASURING AND TESTING
 - 324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PE
- SE
 - 324/95 .With waveguide or long line
- 2 333/1.1 (0 OR, 2 XR)
 - Class 333 : WAVE TRANSMISSION LINES AND NETWORKS

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 333/1 PLURAL CHANNEL SYSTEMS
 333/1.1 .Nonreciprocal gyromagnetic type (e.g.,
 circulators)

2 333/175 (0 OR, 2 XR)
 Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
 333/24R COUPLING NETWORKS
 333/167 .Frequency domain filters utilizing only lumped
 parameters
 333/175 ..Resonant, discrete frequency selective type

2 333/202 (0 OR, 2 XR)
 Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
 333/24R COUPLING NETWORKS
 333/202 .Wave filters including long line elements

2 333/206 (0 OR, 2 XR)
 Class 333 : WAVE TRANSMISSION LINES AND NETWORKS
 333/24R COUPLING NETWORKS
 333/202 .Wave filters including long line elements
 333/206 ..Coaxial

2 340/5.61 (1 OR, 1 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/825 SELECTIVE
 340/5.1 .Intelligence comparison for controlling
 340/5.2 ..Authorization control (e.g., entry into an
 area)
 340/5.6 ...Coded record input (e.g., IC card or key)
 340/5.61Wireless transceiver

2 340/561 (1 OR, 1 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/541 ..Intrusion detection
 340/561 ...Disturbance of electric field

2 340/572.7 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
 340/540 .Specific condition
 340/568.1 ..Article placement or removal (e.g.,
 anti-theft)
 340/572.1 ...Detectable device on protected article
 (e.g., "tag")

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340/572.7Specified antenna structure

2 340/825.69 (0 OR, 2 XR)
 Class 340 : COMMUNICATIONS: ELECTRICAL
 340/825 SELECTIVE
 340/825.57 .Pulse responsive actuation
 340/825.62 ..Serial
 340/825.69 ...Radio link

2 342/16 (2 OR, 0 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/13 RADAR EW (ELECTRONIC WARFARE)
 342/16 .ECCM (Electronic counter-countermeasures,
 i.e., antijamming)

2 342/17 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/13 RADAR EW (ELECTRONIC WARFARE)
 342/16 .ECCM (Electronic counter-countermeasures,
 i.e., antijamming)
 342/17 ..Radar reacts to jamming

2 342/174 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/165 TESTING OR CALIBRATING OF RADAR SYSTEM
 342/173 .By monitoring
 342/174 ..Calibrating

2 342/188 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/188 .With polarization

2 342/189 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/189 .For correlation

2 342/194 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/194 .Complex signal (in phase and quadrature)

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2 342/20 (2 OR, 0 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/13 RADAR EW (ELECTRONIC WARFARE)
 342/20 .Detection of surveillance

2 342/25E (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/25R SYNTHETIC APERTURE RADAR
 342/25A .Mapping or imaging using synthetic aperture
 radar
 342/25E ..With time domain processing of the SAR
 signals in azimuth, e.g. time focusing

2 342/25F (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/25R SYNTHETIC APERTURE RADAR
 342/25A .Mapping or imaging using synthetic aperture
 radar
 342/25F ..Particular SAR processing techniques (e.g.
 spotlight mode, squint mode, doppler beam-sharpening mode,
 bistatic SAR, inverse SAR)

2 342/365 (2 OR, 0 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/361 .Including polarized signal communication
 transmitter or receiver
 342/365 ..Circular

2 342/373 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/368 .Including a steerable array
 342/373 ..With a matrix

2 342/379 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/378 .Utilizing correlation techniques
 342/379 ..Side lobe elimination

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2 342/408 (2 OR, 0 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/385 .Beacon or receiver
 342/386 ..With transmisson of bearing or position
 determinative signals
 342/407 ...Fixed course or bearing indicating
 342/408Moving beam

2 342/424 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/350 DIRECTIVE
 342/385 .Beacon or receiver
 342/417 ..Direction-finding receiver only
 342/422 ...With self-orienting antenna pattern
 342/423Plural antennas
 342/424Tracking interferometer

2 342/44 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/42 RADAR TRANSPONDER SYSTEM
 342/44 .Unique identity

2 342/51 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/42 RADAR TRANSPONDER SYSTEM
 342/51 .Radar transponder only

2 343/704 (2 OR, 0 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/704 .With ice clearer or preventer

2 343/722 (2 OR, 0 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/722 .With lumped reactance filter in active antenn

a

2 343/725 (1 OR, 1 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS

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- 343/725 .Plural separate diverse type
- 2 343/741 (1 OR, 1 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/741 .High frequency type loops
- 2 343/750 (2 OR, 0 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/749 .With lumped reactance for loading antenna
 343/750 ..Adjustable reactance
- 2 343/755 (1 OR, 1 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/753 .With spaced or external radio wave refractor
 (e.g., lens)
 343/755 ..With reflector
- 2 343/756 (1 OR, 1 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/756 .With polarization filter or converter
- 2 343/767 (0 OR, 2 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/767 .Slot type
- 2 343/772 (0 OR, 2 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/772 .Wave guide type (e.g., horn)
- 2 343/781P (0 OR, 2 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/772 .Wave guide type (e.g., horn)
 343/781R ..With external reflector or director
 343/781P ...Plural reflectors
- 2 343/788 (0 OR, 2 XR)
 Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 343/700R ANTENNAS
 343/787 .Including magnetic material
 343/788 ..Loop type

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- 2 343/792.5 (1 OR, 1 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/792.5 .Logarithmically periodic

- 2 343/830 (0 OR, 2 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/825 .Fractional, multiple, or full wave length
linear type
 - 343/829 ..With grounding structure, including
counterpoises
 - 343/830 ...With coaxial feed line

- 2 343/853 (0 OR, 2 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/850 .With coupling network or impedance in the
leadin
 - 343/853 ..With plural antennas

- 2 343/861 (0 OR, 2 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/850 .With coupling network or impedance in the
leadin
 - 343/860 ..Impedance matching network
 - 343/861 ...Adjustable

- 2 343/894 (0 OR, 2 XR)
 - Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS
 - 343/700R ANTENNAS
 - 343/894 .With signal, indicator or alarm

- 2 348/564 (0 OR, 2 XR)
 - Class 348 : TELEVISION
 - 348/553 BASIC RECEIVER WITH ADDITIONAL FUNCTION
 - 348/563 .For display of additional information
 - 348/564 ..Simultaneously and on same screen (e.g.,
multiscreen)

- 2 348/569 (1 OR, 1 XR)
 - Class 348 : TELEVISION
 - 348/553 BASIC RECEIVER WITH ADDITIONAL FUNCTION
 - 348/563 .For display of additional information
 - 348/569 ..Receiver indicator (e.g., on screen display)

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- 2 348/614 (2 OR, 0 XR)
 - Class 348 : TELEVISION
 - 348/571 IMAGE SIGNAL PROCESSING CIRCUITRY SPECIFIC TO TELEVISION
 - 348/607 .Noise or undesired signal reduction
 - 348/614 ..Ghost elimination (e.g., multipath)

- 2 348/705 (0 OR, 2 XR)
 - Class 348 : TELEVISION
 - 348/609 ...Reduction of chrominance luminance cross-talk (e.g., precomb)
 - 348/705 .Switching

- 2 348/724 (1 OR, 1 XR)
 - Class 348 : TELEVISION
 - 348/723 TELEVISION TRANSMITTER CIRCUITRY
 - 348/724 .Modulator

- 2 348/732 (2 OR, 0 XR)
 - Class 348 : TELEVISION
 - 348/725 RECEIVER CIRCUITRY
 - 348/731 .Tuning
 - 348/732 ..Search tuning

- 2 374/117 (0 OR, 2 XR)
 - Class 374 : THERMAL MEASURING AND TESTING
 - 374/100 TEMPERATURE MEASUREMENT (E.G., THERMOMETER)
 - 374/117 .By a vibratory effect (e.g., resonant frequency, acoustical)

- 2 375/232 (1 OR, 1 XR)
 - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 - 375/229 EQUALIZERS
 - 375/230 .Automatic
 - 375/232 ..Adaptive

- 2 398/209 (0 OR, 2 XR)
 - Class 398 : OPTICAL COMMUNICATIONS
 - 398/202 RECEIVER
 - 398/208 .Including postcompensation
 - 398/209 ..Feedback

- 2 399/13 (0 OR, 2 XR)
 - Class 399 : ELECTROPHOTOGRAPHY
 - 399/9 DIAGNOSTICS
 - 399/13 .Component present or mounted

- 2 399/90 (2 OR, 0 XR)

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Class 399 : ELECTROPHOTOGRAPHY
 399/75 MACHINE OPERATION
 399/90 .Electrical connection

2 430/580 (0 OR, 2 XR)
 Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS,
 COMPOSITION, OR PRODUCT THEREOF
 430/495.1 RADIATION SENSITIVE PRODUCT
 430/564 .Silver compound sensitizer containing
 430/570 ..Spectral sensitizing
 430/580 ...Styryl sensitizer

2 430/581 (0 OR, 2 XR)
 Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS,
 COMPOSITION, OR PRODUCT THEREOF
 430/495.1 RADIATION SENSITIVE PRODUCT
 430/564 .Silver compound sensitizer containing
 430/570 ..Spectral sensitizing
 430/581 ...Cyanine sensitizer

2 430/585 (0 OR, 2 XR)
 Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS,
 COMPOSITION, OR PRODUCT THEREOF
 430/495.1 RADIATION SENSITIVE PRODUCT
 430/564 .Silver compound sensitizer containing
 430/570 ..Spectral sensitizing
 430/581 ...Cyanine sensitizer
 430/583Containing odd number of methine groups
 430/585Three methine groups, i.e., carbocyanines

2 455/117 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/91 TRANSMITTER
 455/117 .With electrical protection of transmitter
 circuit or operator

2 455/182.3 (1 OR, 1 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/179.1 ..Channel or station selection
 455/182.3 ...Fine tuning

2 455/183.1 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS

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455/130      RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
              CONVERTER
455/150.1    .Signal selection based on frequency (e.g.,
              tuning)
455/179.1    ..Channel or station selection
455/183.1    ...With frequency synthesizer

2  455/193.1    (1 OR, 1 XR)
    Class 455 : TELECOMMUNICATIONS
455/130      RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
              CONVERTER
455/150.1    .Signal selection based on frequency (e.g.,
              tuning)
455/193.1    ..With antenna circuit tuning

2  455/226.1    (0 OR, 2 XR)
    Class 455 : TELECOMMUNICATIONS
455/130      RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
              CONVERTER
455/226.1    .Measuring or testing of receiver

2  455/235.1    (0 OR, 2 XR)
    Class 455 : TELECOMMUNICATIONS
455/130      RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
              CONVERTER
455/230      .Local control of receiver operation
455/232.1    ..Gain control
455/234.1    ...Automatic
455/235.1    ....Forward acting

2  455/249.1    (0 OR, 2 XR)
    Class 455 : TELECOMMUNICATIONS
455/130      RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
              CONVERTER
455/230      .Local control of receiver operation
455/232.1    ..Gain control
455/234.1    ...Automatic
455/249.1    ....Variable attenuator type

2  455/272      (0 OR, 2 XR)
    Class 455 : TELECOMMUNICATIONS
455/130      RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
              CONVERTER
455/269      .With wave collector (e.g., antenna)
455/272      ..Plural separate collectors

2  455/276.1    (0 OR, 2 XR)
    Class 455 : TELECOMMUNICATIONS

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455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER

455/269 .With wave collector (e.g., antenna)

455/272 ..Plural separate collectors

455/276.1 ...With phase shifting, correcting, or
regulating in the output path of one or mor
e collectors

2 455/282 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER

455/269 .With wave collector (e.g., antenna)

455/280 ..With coupling to a stage of the receiver

455/281 ...Having distributed parameters

455/282Transmission line

2 455/289 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER

455/269 .With wave collector (e.g., antenna)

455/280 ..With coupling to a stage of the receiver

455/289 ...With coupling varying, regulating, or
control

2 455/291 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER

455/269 .With wave collector (e.g., antenna)

455/280 ..With coupling to a stage of the receiver

455/291 ...Using active device (e.g., as preamplifier
or reactance)

2 455/297 (1 OR, 1 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER

455/296 .Noise or interference elimination

455/297 ..In vehicle

2 455/315 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER

455/313 .Frequency modifying or conversion

455/314 ..Plural separate successive conversions

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- 455/315 ...With plural separate local oscillators
- 2 455/351 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/347 .Cabinet, housing, or chassis structure
 455/351 ..Transportable
- 2 455/352 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/352 .Remote control of receiver
- 2 455/80 (1 OR, 1 XR)
 Class 455 : TELECOMMUNICATIONS
 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.
 TRANSCEIVER)
 455/78 .With transmitter-receiver switching or
 interaction prevention
 455/79 ..Automatic (e.g., voice operated)
 455/80 ...With distributed parameter coupling
- 2 600/407 (2 OR, 0 XR)
 Class 600 : SURGERY
 600/300 DIAGNOSTIC TESTING
 600/407 .Detecting nuclear, electromagnetic, or
 ultrasonic radiation
- 2 600/410 (1 OR, 1 XR)
 Class 600 : SURGERY
 600/300 DIAGNOSTIC TESTING
 600/407 .Detecting nuclear, electromagnetic, or
 ultrasonic radiation
 600/410 ..Magnetic resonance imaging or spectroscopy
- 2 600/411 (2 OR, 0 XR)
 Class 600 : SURGERY
 600/300 DIAGNOSTIC TESTING
 600/407 .Detecting nuclear, electromagnetic, or
 ultrasonic radiation
 600/410 ..Magnetic resonance imaging or spectroscopy
 600/411 ...Combined with therapeutic or diverse
 diagnostic device
- 2 600/424 (1 OR, 1 XR)

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Class	600	:	SURGERY
600/300			DIAGNOSTIC TESTING
600/407			.Detecting nuclear, electromagnetic, or ultrasonic radiation
600/424			..With means for determining position of a device placed within a body

2 600/430 (2 OR, 0 XR)

Class	600	:	SURGERY
600/300			DIAGNOSTIC TESTING
600/407			.Detecting nuclear, electromagnetic, or ultrasonic radiation
600/430			..With microwave carrier signal

2 600/549 (0 OR, 2 XR)

Class	600	:	SURGERY
600/300			DIAGNOSTIC TESTING
600/549			.Temperature detection

2 607/36 (2 OR, 0 XR)

Class	607	:	SURGERY: LIGHT, THERMAL, AND ELECTRICAL APPLICATION
607/1			LIGHT, THERMAL, AND ELECTRICAL APPLICATION
607/2			.Electrical therapeutic systems
607/9			..Heart rate regulating (e.g., pacing)
607/36			...Feature of stimulator housing or encapsulation

2 607/50 (2 OR, 0 XR)

Class	607	:	SURGERY: LIGHT, THERMAL, AND ELECTRICAL APPLICATION
607/1			LIGHT, THERMAL, AND ELECTRICAL APPLICATION
607/2			.Electrical therapeutic systems
607/50			..Promoting tissue growth or healing

2 715/721 (2 OR, 0 XR)

Class	715	:	DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT
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Could not find subclass title.

2 725/40 (0 OR, 2 XR)

Class	725	:	INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/37			OPERATOR INTERFACE
725/38			.To facilitate tuning or selection of video signal
725/39			..Electronic program guide
725/40			...For displaying additional information

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2 725/44 (0 OR, 2 XR)

Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS

725/37 OPERATOR INTERFACE

725/38 .To facilitate tuning or selection of video
signal

725/39 ..Electronic program guide

725/44 ...Content arrangement

2 725/45 (0 OR, 2 XR)

Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS

725/37 OPERATOR INTERFACE

725/38 .To facilitate tuning or selection of video
signal

725/39 ..Electronic program guide

725/44 ...Content arrangement

725/45Based on genre, theme, or category

2 725/56 (1 OR, 1 XR)

Class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS

725/37 OPERATOR INTERFACE

725/38 .To facilitate tuning or selection of video
signal

725/56 ..Channel guide (i.e., channel-specific as
opposed to program-specific guide)

able 2
about 1
above 2
abstract 1
access 1
accessed 1
accessing 2
accompanying 1
accordance 3
according 20
accordingly 2
active 2
actual 10
adding 1
additionally 4
additions 3
advantage 4
advantages 6
after 1
aid 1
ajlpi 1
ajlpil 1
all 1
allow 2
alpha 2
alpil 1
also 1
alterations 5
alternatively 1
amplifiers 1
amplifying 1
amplitude 19
an 57
and 75
another 7
antenna 56
antennas 19
any 30
apparent 2
appended 2
applicants 1
application 21
are 25
arranged 1
array 1
art 2
as 43
associated 2

at 27
attorney 16
attorneyis 4
average 2
averaged 2
averaging 2
back 8
background 10
band 6
bandwidth 2
be 74
been 1
begins 1
behind 3
being 2
best 1
between 2
both 6
brief 1
building 1
bus 1
but 2
by 26
calculating 1
calibration 2
can 2
capture 1
carried 1
cavity 2
center 1
certain 8
changes 1
channel 1
claim 1
claims 4
clothing 1
coaxial 4
combination 7
combine 2
combined 4
compact 1
compensate 3
complete 1
components 4
composition 1
compound 1
comprise 14
comprises 1

comprising 2
computer 2
computing 14
configuration 2
conjunction 1
considered 1
constrain 1
contemplates 1
continuous 1
converted 1
converting 3
correct 4
correction 13
correspond 1
corresponding 4
corresponds 5
coupled 4
coupling 2
cover 1
cubic 1
daloi 1
data 3
date 1
define 1
defined 2
departing 5
deployed 3
described 5
describes 2
description 4
descriptions 1
desirable 1
detail 1
detailed 1
detect 5
detected 2
detecting 1
detects 2
determine 1
determined 2
determining 1
device 7
devices 2
diagram 2
difference 1
differences 4
different 4
digital 2

digitizer 3
dimensional 12
dimensions 2
direction 1
disadvantages 1
disclosed 1
disclosure 5
discrete 1
disk 3
display 15
displayed 12
displaying 1
displays 1
distributor 1
diverse 2
do 1
docket 20
document 4
does 4
domain 4
drawings 5
drives 4
due 1
duration 1
during 1
dvd 1
each 13
effects 1
elements 1
eliminated 1
embodiment 23
embodiments 7
emit 1
emits 1
emitted 2
empty 1
entry 3
environment 2
equal 1
establish 2
established 2
estimated 2
example 35
examples 4
execute 1
exists 1
expose 1
expressed 1

extremely 1
facilitate 1
facilitates 1
fast 4
features 1
few 1
fewer 3
fiberglass 1
fidelity 1
field 3
fifty 1
figure 16
figures 5
filing 1
filter 2
filtering 1
final 1
finding 1
first 1
five 1
flat 1
flowchart 2
following 4
for 70
form 1
format 2
fourier 4
frequency 15
from 39
functions 1
further 1
gate 1
general 2
generally 4
generate 13
generated 5
generates 6
generating 10
generator 11
gigahertz 1
goggle 1
greater 1
ground 1
hardware 3
has 5
have 9
having 2
herein 2

hereof 1
hereto 1
high 2
higher 1
hold 2
horizontal 1
horizontally 1
housing 7
however 1
hown 1
hstep 1
human 1
hundred 1
identified 4
identify 2
if 12
illustrate 2
illustrated 11
illustrates 4
illustrating 4
image 80
images 13
imaging 23
impinge 1
improve 2
impulse 1
impulsive 3
in 38
include 10
included 1
includes 12
incorporated 1
information 2
initial 1
input 1
instantaneous 1
instructions 1
integrated 1
intend 1
intensity 1
interface 5
interference 7
interfering 2
interpreting 1
invention 14
inverse 2
invoke 1
is 35

issued 1
it 3
its 3
known 2
larger 1
least 6
like 3
link 1
living 1
located 4
logic 5
low 4
machine 1
made 6
magnetic 1
manages 1
manipulate 1
manner 2
map 1
mapped 1
material 5
matrices 9
matrix 35
matter 1
may 125
means 1
meant 1
measurements 4
media 1
megahertz 1
member 2
memory 8
metallic 4
method 13
methods 2
microseconds 1
mode 5
modifications 3
module 1
modules 2
more 17
moreover 1
moving 16
multi 3
multiple 1
multiplied 1
multiply 1
multiplying 2

nanoseconds 1
narrow 6
needs 1
next 3
nine 1
no 22
noise 2
non 2
none 1
not 8
note 1
now 1
number 3
numerals 1
ob 1
object 27
objects 4
obstruction 9
of 118
office 1
omissions 3
on 4
one 29
only 12
operable 4
operate 3
operates 1
operation 1
operations 5
option 1
or 51
order 3
organism 1
orientations 2
other 16
out 2
output 1
page 20
paragraph 1
parameter 1
parameters 2
particular 3
parts 1
pass 3
passes 1
passive 3
patent 23
path 1

peaks 2
percent 1
perform 5
performed 4
period 2
periodic 1
periods 2
permutations 4
person 1
perspective 1
physical 4
pi 27
picosecond 1
placement 1
planar 1
plurality 1
plus 1
point 40
points 11
polarization 2
polarize 1
polarized 2
portions 1
ports 1
position 1
positions 2
possible 1
power 3
preceding 7
present 5
presented 3
previous 1
problems 1
procedure 3
proceeds 5
processes 1
processor 10
processors 1
programmable 1
provide 3
provided 1
proximate 1
ps 4
pulse 2
pulses 2
purposes 1
ra 2
racjklpi 1

racklps 1
radar 4
radio 11
ram 1
random 1
range 14
rate 2
ratio 1
re 1
read 1
readers 1
readily 1
receive 32
received 13
receiver 2
receives 5
receiving 1
reconstruction 1
record 2
records 2
reduce 5
reduced 1
refer 2
reference 6
referring 2
refers 13
reflect 2
reflected 11
region 5
relates 1
relative 2
removable 1
remove 2
removed 1
removing 1
repeated 2
repetition 2
represent 5
representing 1
required 1
respectively 2
resulting 1
retrieval 2
return 1
rf 1
rise 1
rk 10
rklpi 3

rom 1
rotated 1
round 27
rtt 2
rttipi 1
rttjklpi 5
rttlpi 3
rttxlpil 1
rttzlpil 1
satisfy 1
scale 2
scaled 1
scope 6
screen 2
seconds 1
select 3
selected 10
send 1
sends 2
sent 1
separate 1
separated 2
serves 1
set 2
seventy 1
several 1
shape 1
short 1
shown 2
side 1
signal 14
signals 47
single 1
size 1
skilled 2
smaller 1
snr 1
software 3
some 4
source 4
space 21
specific 1
specifically 1
spirit 1
stage 1
stationary 15
step 19
steps 2

storage 2
store 1
stored 1
stores 1
structure 2
subset 5
substitutions 1
subtract 4
subtracted 2
successive 8
such 21
suitable 25
summary 1
suppress 1
suppressed 4
surface 1
system 54
systems 1
taken 1
takes 4
targeted 1
targets 25
technical 9
techniques 1
term 3
terminates 1
terms 1
than 4
that 35
the 205
them 1
then 6
there 6
they 1
thirty 1
this 9
those 1
three 13
threshold 1
through 8
time 34
times 10
tj 8
to 135
together 4
towards 3
tp 1
transform 4

transmit 23
transmits 3
transmitted 5
transmitter 1
transmitting 1
travel 7
trip 27
tuple 1
twenty 1
two 4
types 1
typical 1
ultra 5
understanding 1
understood 1
unless 1
updated 1
used 24
using 12
utilizing 1
value 22
values 19
various 1
vertical 1
vertically 1
video 1
view 2
virtual 3
volt 1
wall 2
wave 4
waveform 36
waveforms 26
waves 1
weapon 1
where 2
which 11
while 1
wide 1
wideband 4
will 1
windowed 2
wish 1
with 14
within 1
without 5
words 1
written 3

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xi 1
yet 3
yi 1
yield 4
zeroed 1
zi 1